Lat 40.93390 Lon -121.60365

United States Department of Agriculture | Forest Service | Lassen National Forest
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File Code: 3400

Date: May 30, 1997

John Arnold
Lassen Volcanic National Park
PO Box 100
Mineral, CA 96063

re: Hazard trees in Headquarters Area and Manzanita Lake Campground in Lassen Volcanic National Park (NE97-5)

John,

At your request, USFS Forest Pest Management (FPM) evaluated Headquarters Area and Manzanita Lake Campground on May 13-15 for forest health. FPM entomologists Sheri Smith and Dave Schultz, pathologists Gregg DeNitto and Bill Woodruff, and Biologist Robin Petersen conducted the evaluation. You accompanied us some of the time. The results of this evaluation will be provided this summer in a FPM report.

During our evaluation we identified some potential hazard trees in both areas. As agreed, we are providing the hazard tree information before the formal report is released. The enclosed lists and maps locate and identify these trees. These are not all the hazard trees in the areas, only those we identified in our brief evaluation. The identified trees are those with visible defects which can structurally weaken them. Defective trees that can cause property damage or personal injury are called "hazardous". The danger presented by these trees needs to be determined by your Park staff.

As you know, it is important to examine recreational areas for hazards annually before opening them to the public. In the case of the residential and work areas, where people are present year-around, the hazard evaluation should be ongoing.

The enclosed maps show the hazard tree locations with numbers corresponding to the attached lists. Red and green colors stand for the two crews that identified the hazard. The tree locations on the maps are approximate. Usually, the campsite number is provided to help locate the hazard trees. Tree heights and diameters with "+" after the measurement are estimates.

I hope this information helps you with your hazard tree program. If you are interested, I would like to meet with you and look at some of these hazard trees in the field. Call me at 257-2151 at your convenience.

Bill Woodruff

BILL WOODRUFF
Plant Pathologist, FPM, NE California Service Area

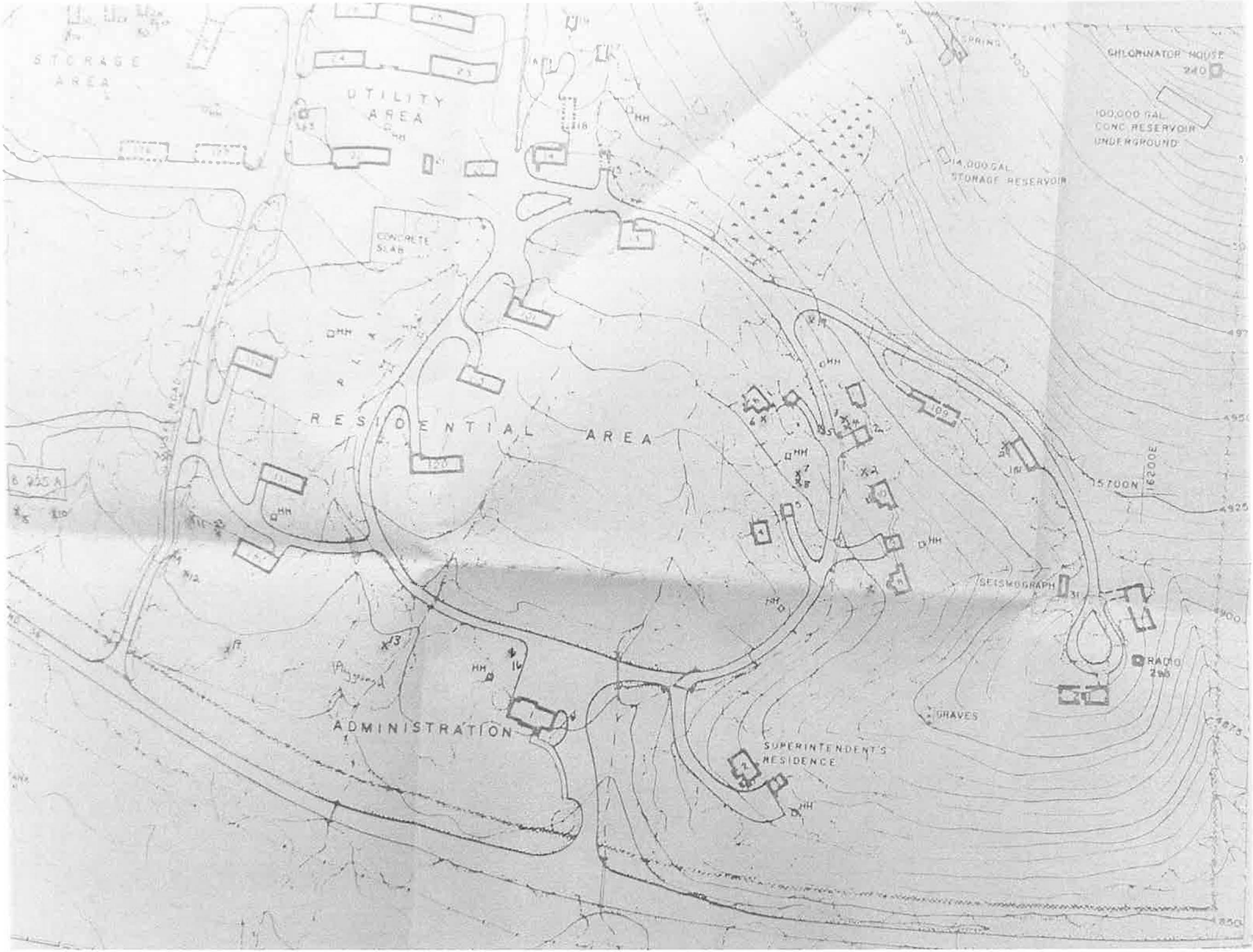
Enclosures

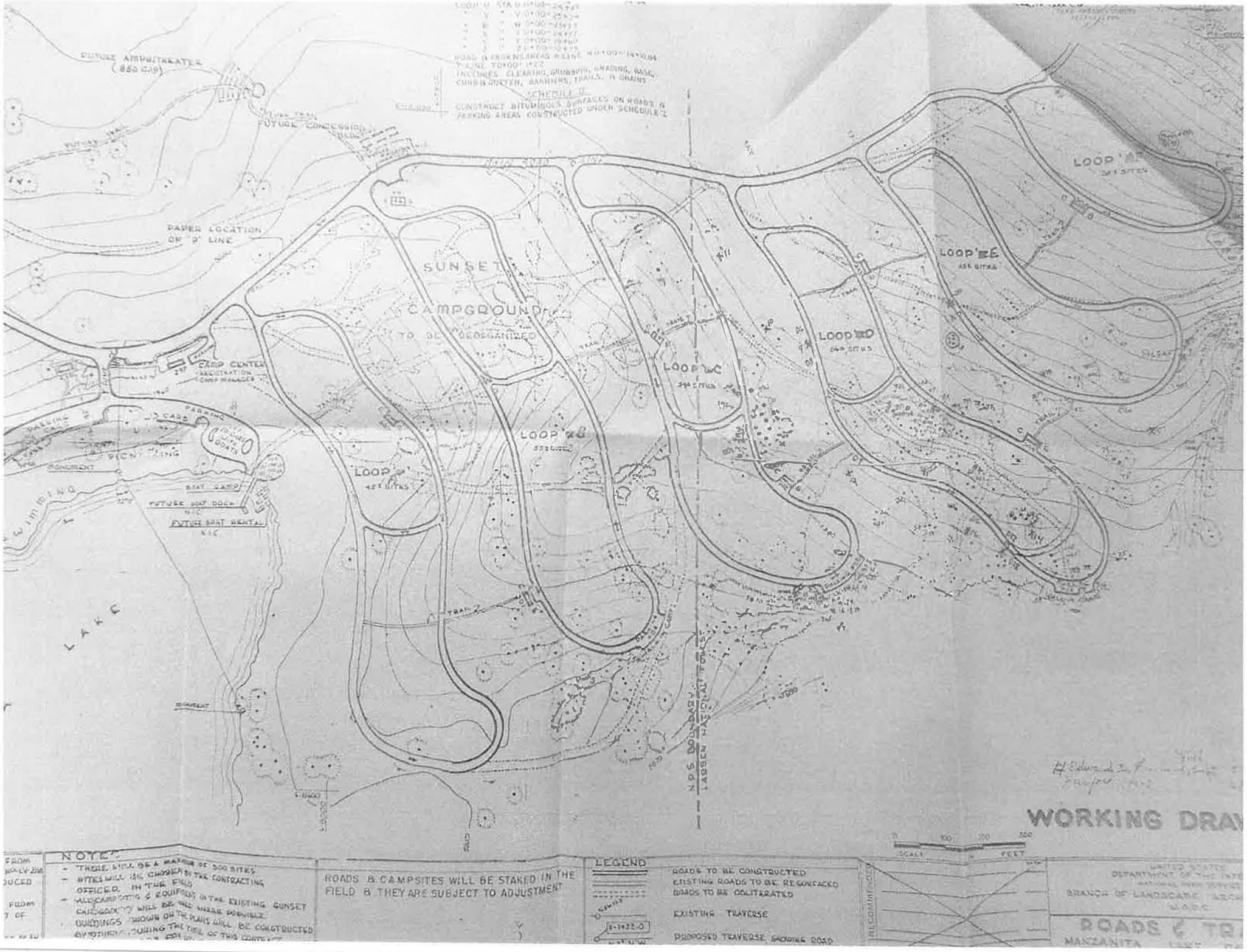
HEADQUARTERS AREA HAZARD TREES 5/97 (Page 1/1)

Map/ Tree #	Species	DBH	Ht	Defect(s) / Remarks
1	IC	28+	110+	Excess lean, near Bldg 8, No Target
2	WF	24+	110+	Dead top, near Bldg 10
3	WF	30+	130+	Decline, poor crown, Bldg 11 likely root rot
4	WF	30+	130+	Dead branches, next to WF #3, if #3 has root disease, #4 may also
5	PP	36+	140+	Deformed bole?,pavement over roots
6	PP	42+	140+	Basal rot opposite from lean
7	WF	24+	110+	Declining crown and vigor; lean
8	WF	24+	110+	Connected to WF #7
9	PP	46"	170'	Exposed roots, declining crown, road over roots, lean to Bldg 262
10	PP	60"	170'	Root disease, leans from Bldg 225 "velvet top" fungus
11	PP	30+	150+	Excessive lean towards Bldg 262
12	PP	30+	150+	Heavily infested w/ dwarf mistletoe
13	PP	55+	160+	Bole rot (Phellinus pini)
14	WF	24+	110+	Forked top (almost dead) by bldg 30
15	PP	60+	160+	Dwarf mistletoe brooms over picnic table behind bldg 225B
16	PP	48+	150+	Lean towards bldg 1
17	PP	40+		Dead
18	(Deleted)			
19	WF			Dead
20	WF			Dead
21	WF			Dead
22	PP	30+		Tagged Tree, RTB (red turp beetle)
23	WF			Three tree pocked
24	PP			RTB

Map/ Tree #	Species	DBH	Ht	Defect(s) / Remarks
1	JP	36+	120+	Tag #106, Lean, much butt rot Target= site F17
2	WF	clump		A number of hung up WF 12" snags
3	JP	44"	120+	Small butt rot from lightning scar
4	JP	38"	120+	Large elytroderma brooms over camp
5	WF	66"	150'	Declining top, butt rot, broken top Target sites E17,19,20 + D32,33,34
6	JP/WF	Clump 38"	130'	Large crown JP leaning over siteE10 Clump WF/JP with basal wounds
7	JP	36"	130'	Cat face and thin crown. Target E8,9,10
8	JP	34"	110'	Cat face, monitor
9	JP	54"	145'	Large wound 35-60' above ground Target - four sites (D6,8 +)
10	JP	55"	165'	Dead top,declining crown,basal scar
11	JP	55"	130'	Old broken top, large weak branches
12	JP	61"	160'	Large hanging branches, old bole wound 15-25' off ground
13	WF	34"	120'	Butt rot, thin crown, paved roots
14	WF	34"	140'	Butt rot, lean (two adjacent WF)
15	WF	40"	140'	Old crack wound, declining crown (adjacent to tree #15)
16	WF	32"	120'	Declining crown, old crook, lean loss of support from cut JP, (if rot in stump, remove 2nd WF)
17	WF			Forked
18	JP			Large dead branckes hanging
19	WF			Several dead, large leaner
20	WF	19.3"		Dead top

Map/ Tree #	Species	DBH	Ht	Defect(s) / Remarks
21	WF			Dead spike top, site D44, left of parking area
22	WF			Spike top
23	JP			Lg branches hanging against bole
24	WF			Dead, by picnic table
25	WF			Top kill
26	JP			Dead, by turn to picnic/boat area


STORAGE AREA
UTILITY AREA
CONCRETE SLAB
RESIDENTIAL AREA
ADMINISTRATION
SUPERINTENDENT'S RESIDENCE
GRAVES
SEISMOGRAPH
RADIO
CHLORINATOR HOUSE
240
100,000 GAL. CONC. RESERVOIR UNDERGROUND
14,000 GAL. STORAGE RESERVOIR
SPRING
15700N
16200E
4925
4900
4875
4850


FUTURE AMPHITHEATER (850 CAP.)
FUTURE CONCESSION BLDG.
PAVED TRAIL
PAVED TRAIL
PAVED TRAIL
PAVED TRAIL
PAPER LOCATION OF 'P' LINE
SUNSET CAMPGROUND
TO BE REORGANIZED
CAMP CENTER
(REGISTRATION CAMP MANAGER)
PARKING
PARKING
PICNIC AREA
PICNIC SITES
CONCESSION
BOAT RAMP
FUTURE BOAT DOCK
FUTURE BOAT RENTAL
LOOP 'A'
LOOP 'B'
LOOP 'C'
LOOP 'D'
LOOP 'E'
LOOP 'F'
N.P.S. BOUNDARY
LAKE
SCHEDULE 'A'
SCHEDULE 'B'
CONSTRUCT BITUMINOUS SURFACES ON ROADS & PARKING AREAS CONSTRUCTED UNDER SCHEDULE 'A'
WORKING DRA
NOTE:
- THERE WILL BE A MAXIMUM OF 300 SITES.
- SITES WILL BE CHOSEN BY THE CONTRACTING OFFICER IN THE FIELD.
- ALL CAMPSITES & EQUIPMENT IN THE EXISTING SUNSET CAMPGROUND WILL BE REMOVED WHERE POSSIBLE.
- BUILDINGS SHOWN ON THE PLANS WILL BE CONSTRUCTED BY OTHERS DURING THE LIFE OF THIS CONTRACT.
ROADS & CAMPSITES WILL BE STAKED IN THE FIELD & THEY ARE SUBJECT TO ADJUSTMENT
LEGEND
ROADS TO BE CONSTRUCTED
EXISTING ROADS TO BE RESURFACED
ROADS TO BE OBLITERATED
EXISTING TRAVERSE
PROPOSED TRAVERSE, SHOWING ROAD
SCALE IN FEET
BRANCH OF LANDSCAPE
ROADS & TR
MANZANITA